

# REPORT DOCUMENTATION PAGE

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7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Department of Physics and Astronomy University of Rochester Rochester, NY 14627			AFOSR-TR-96  0572	
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Department of Physics and Astronomy  
University of Rochester  
Rochester NY 14627 USA

November 14, 1996

Dr. H. Schlossberg  
AFOSR/NE  
110 Duncan Ave. / Room B115  
Bolling AFB, DC 20332-8080

Re: Final Report  
F49620-95-1-0313, contract for "Seventh Rochester Conference  
on Coherence and Quantum Optics"

Dear Dr. Schlossberg:

The Seventh Rochester Conference on Coherence and Quantum Optics was held 7-10 June 1995 at the University of Rochester.

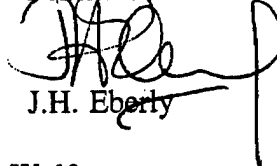
In common with its predecessors, the Seventh conference was designed to permit an international overview of current activity in the fields of Coherence and Quantum Optics, with tutorial talks on outstanding developments occurring since the previous conference (after the traditional 6-year interval), a wide variety of invited talks by the scientists responsible for recent advances, and with the opportunity for researchers to present results in two general poster sessions. The tutorial talks were given by C. Cohen-Tannoudji (Laser Cooling), S. Haroche (Cavity QED), W. Schleich (Quantum Phase), and H. Carmichael (Stochastic Schrödinger Equations).

The conference was sponsored by the International Union of Pure and Applied Physics, the American Physical Society, and the Optical Society of America, as well as the University of Rochester. In comparison with previous meetings, a fourth day was added to the program, with the benefit of eliminating most of the parallel sessions, and permitting more extended informal interactions among the participants.

The meeting was attended by approximately 300 scientists from 33 countries, demonstrating the international character of the field and the wide recognition of the conference itself. We were pleased that students from many of the outstanding American research groups in quantum optics were in attendance.

A conference Proceedings has been published by Plenum Press.

For the Conference Committee,



J.H. Eberly

cc: N.P. Bigelow, L. Mandel, C.R. Stroud, Jr., E. Wolf

JHE/sws